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- 1 [A meta model and an infrastructure for the non-transparent replication of object databases](#) 85%
 Werner Dreyer , Klaus R. Dittrich
Proceedings of the ninth international conference on Information and knowledge management November 2000
- 2 [Agenda: a personal information manager](#) 82%
 S. Jerrold Kaplan , Mitchell D. Kapor , Edward J. Belove , Richard A. Landsman , Todd R. Drake
Communications of the ACM July 1990
Volume 33 Issue 7
The free-form, evolving, personal information that people deal with in the course of their daily activities requires more flexible data structures and data management systems than tabular data structures provide. A tool for managing personal information must conveniently handle freetextual data; allow for structure to evolve gracefully as the database grows; represent unnormalized data; and support data entry through database views. We have designed a new type of database t ...
- 3 [Best poster papers from MobiHoc 2002: Trigger-based distributed QoS routing in mobile ad hoc networks](#) 77%
 Swades De , Sajal K. Das , Hongyi Wu , Chunming Qiao
ACM SIGMOBILE Mobile Computing and Communications Review June 2002
Volume 6 Issue 3
Performance of existing routing protocols in mobile ad hoc networks for real-time applications is limited by high control traffic and database maintenance overhead. We observe that by proper coupling of nodal mobility and location information, real-time applications can be served with limited control traffic and database requirements. In this paper, we investigate a *trigger-based* (on-demand) *distributed* routing protocol, called TDR, for supporting real-time applications in mobile a ...

10/804,672

4 Long-duration transaction support in design databases

77%

4 Waldemar Wiczerzycki**Proceedings of the fourth international conference on Information and knowledge management December 1995**

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February 2000

Volume 8 Issue 3-4

Many distributed database applications need to replicate data to improve data availability and query response time. The two-phase commit protocol guarantees mutual consistency of replicated data but does not provide good performance. Lazy replication has been used as an alternative solution in several types of applications such as on-line financial transactions and telecommunication systems. In this case, mutual consistency is relaxed and the concept of freshness is used to measure the deviation ...

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80%

 Luiz André Barroso , Kourosh Gharachorloo , Edouard Bugnion

ACM SIGARCH Computer Architecture News , Proceedings of the 25th annual international symposium on Computer architecture April 1998


Volume 26 Issue 3

Commercial applications such as databases and Web servers constitute the largest and fastest-growing segment of the market for multiprocessor servers. Ongoing innovations in disk subsystems, along with the ever increasing gap between processor and memory speeds, have elevated memory system design as the critical performance factor for such workloads.

However, most current server designs have been optimized to perform well on scientific and engineering workloads, potentially leading to design dec ...

2 [50,000 users on an Oracle8 universal server database](#)

77%

 Tirthankar Lahiri , Ashok Joshi , Amit Jasuja , Sumanta Chatterjee

ACM SIGMOD Record , Proceedings of the 1998 ACM SIGMOD international conference on Management of data June 1998

Volume 27 Issue 2

In this paper, we describe the Oracle Large User Population Demonstration and highlight the scalability mechanisms in the Oracle8 Universal Data Server which make it possible to support as many as 50,000 concurrent users on a single Oracle8 database without any middle-tier TP-monitor software. Supporting such large user populations requires many mechanisms for high concurrency and throughput. Algorithms in all areas of the server ranging from process and buffer management to SQL compilation ...

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5201044 5280611) | 740 |
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| <input type="checkbox"/> | L1 | (production adj1 database) | 90 |

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